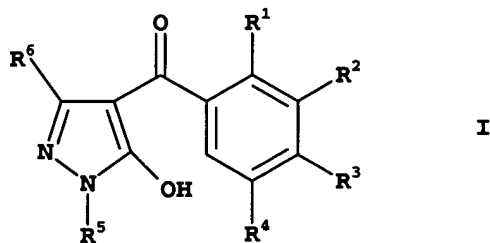


ABSTRACT

A synergistic herbicidal mixture comprising

A) at least one 3-heterocycl-yl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

R^1 , R^3 are halogen, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl;

R^2 is a optionally substituted heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl;

R^4 is hydrogen, halogen or alkyl;

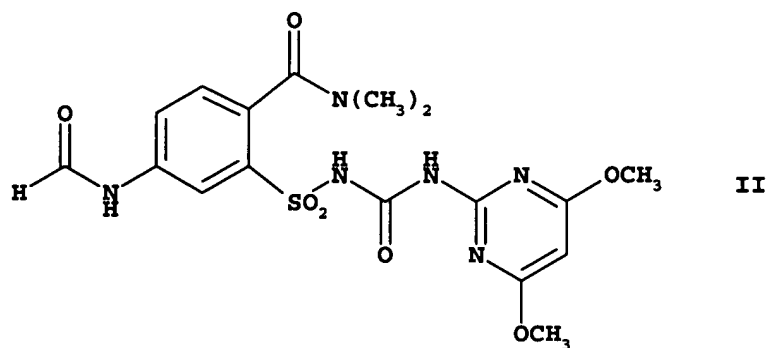
R^5 is alkyl;

R^6 is hydrogen or alkyl;

or one of its environmentally compatible salts;

and

B) a synergistically effective amount of the compound of formula II



or one of its environmentally compatible salts;

and, if desired,

C) at least one further herbicidal compound;

and, if desired,

D) at least a safener.

Compositions comprising these mixtures, processes for the preparation of these compositions, and their use for controlling undesired plants.